

, d his ful

(FILE 'HOME' ENTERED AT 13:45:09 ON 20 MAY 2005)

FILE 'HCA' ENTERED AT 13:46:23 ON 20 MAY 2005

L1 E US20050019604/PN
2 SEA ABB=ON PLU=ON US20050019604/PN
D SCAN
D L1 1-2 ALL
SEL L1 RN

EIC 1700 search

MRy

FILE 'REGISTRY' ENTERED AT 13:52:06 ON 20 MAY 2005

L2 21 SEA ABB=ON PLU=ON (751-38-2/BI OR 97388-42-6/BI OR
120-12-7/BI OR 129-00-0/BI OR 1310-73-2/BI OR 198-55-0/BI
OR 448-61-3/BI OR 518997-91-6/BI OR 5728-52-9/BI OR
58328-31-7/BI OR 85-01-8/BI OR 86-73-7/BI OR 91-20-3/BI
OR 94928-86-6/BI OR 2085-33-8/BI OR 217-59-4/BI OR
7726-95-6/BI OR 80726-63-2/BI OR 82632-80-2/BI OR
836671-27-3/BI OR 98-80-6/BI)
D SCAN
D L2 1-21 RN STR
E 97388-42-6/RN

L3 1 SEA ABB=ON PLU=ON 97388-42-6/RN

D SCAN

D RSD

E 751-38-2/RN

L4 1 SEA ABB=ON PLU=ON 751-38-2/RN

D SCAN

D RSD

FILE 'LREGISTRY' ENTERED AT 14:03:35 ON 20 MAY 2005

L5 STR

FILE 'REGISTRY' ENTERED AT 14:07:06 ON 20 MAY 2005

L6 37 SEA SSS SAM L5

FILE 'LREGISTRY' ENTERED AT 14:07:54 ON 20 MAY 2005

L7 STR L5

FILE 'REGISTRY' ENTERED AT 14:08:37 ON 20 MAY 2005

L8 30 SEA SSS SAM L7

D QUE STAT

D QUE STAT L6

L9 4514 SEA SSS FUL L5

SAV L9 YAM579/A

FILE 'LREGISTRY' ENTERED AT 14:14:04 ON 20 MAY 2005

L10 STR

FILE 'REGISTRY' ENTERED AT 14:23:53 ON 20 MAY 2005

L11 19 SEA SUB=L9 SSS SAM L10

D QUE STAT

FILE 'LREGISTRY' ENTERED AT 14:29:58 ON 20 MAY 2005

L12 STR L10

FILE 'REGISTRY' ENTERED AT 14:31:07 ON 20 MAY 2005

L13 9 SEA SUB=L9 SSS SAM L12

D SCAN

D QUE STAT

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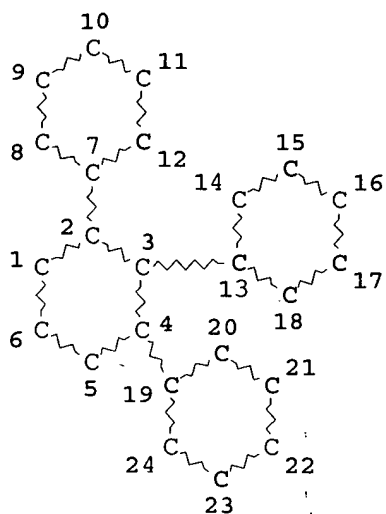
FILE 'LREGISTRY' ENTERED AT 14:33:47 ON 20 MAY 2005
L14      STR L5

FILE 'REGISTRY' ENTERED AT 14:36:45 ON 20 MAY 2005
L15      11 SEA SUB=L9 SSS SAM L14
          D QUE STAT
          D SCAN
L16      171 SEA SUB=L9 SSS FUL L14
          SAV L16 YAM579A/A
          D QUE STAT
          D QUE STAT L11
          D QUE STAT L13
L17      559 SEA SUB=L9 SSS FUL L10
          D QUE STAT
          SAV L17 YAM579B/A

FILE 'HCAPLUS' ENTERED AT 14:50:16 ON 20 MAY 2005
L18      85 SEA ABB=ON   PLU=ON   L16
L19      382 SEA ABB=ON   PLU=ON   L17
L20      76840 SEA ABB=ON   PLU=ON   (ELECTRON? OR E OR HOLE?) (2A) (TRANSPO
          RT? OR INJECT? OR BLOCK?)
L21      6 SEA ABB=ON   PLU=ON   L20 AND L18
          D SCAN
L22      18 SEA ABB=ON   PLU=ON   L20 AND L19
L23      21 SEA ABB=ON   PLU=ON   L21 OR L22
          D QUE STAT L16
          D QUE STAT L17
L24      0 SEA ABB=ON   PLU=ON   L18 AND L19 AND TRIPLET?
L25      3 SEA ABB=ON   PLU=ON   L18 AND TRIPLET?
L26      16 SEA ABB=ON   PLU=ON   L19 AND TRIPLET?
L27      2 SEA ABB=ON   PLU=ON   L18 AND L19 AND (PHOSPHOR? OR
          ELECTROPHOSPHOR?)
          D SCAN
L28      24 SEA ABB=ON   PLU=ON   L25 OR L23
L29      24 SEA ABB=ON   PLU=ON   L28 OR L27
L30      37 SEA ABB=ON   PLU=ON   L26 OR L23
L31      40 SEA ABB=ON   PLU=ON   L30 OR L29
L32      19 SEA ABB=ON   PLU=ON   L31 NOT L23
L33      3 SEA ABB=ON   PLU=ON   L18 AND (PHOSPHOR? OR ELECTROPHOSPHOR
          ?)
L34      12 SEA ABB=ON   PLU=ON   L19 AND (PHOSPHOR? OR ELECTROPHOSPHOR
          ?)
L35      47 SEA ABB=ON   PLU=ON   L31 OR L33 OR L34
L36      26 SEA ABB=ON   PLU=ON   L35 NOT L23

=> d que stat l16
L5      STR

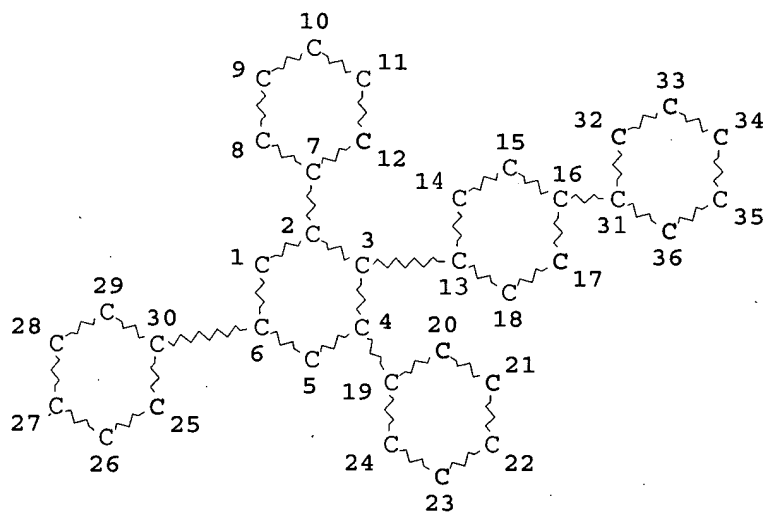
```



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 24

STEREO ATTRIBUTES: NONE
L9 4514 SEA FILE=REGISTRY SSS FUL L5
L14 STR



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 36

STEREO ATTRIBUTES: NONE

L16 171 SEA FILE=REGISTRY SUB=L9 SSS FUL L14

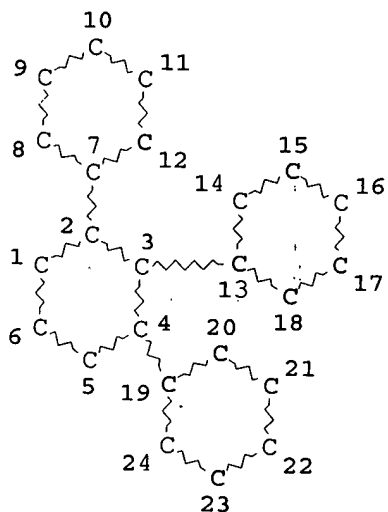
100.0% PROCESSED 3358 ITERATIONS

SEARCH TIME: 00.00.01

171 ANSWERS

=> d que stat l17

L5 STR



NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

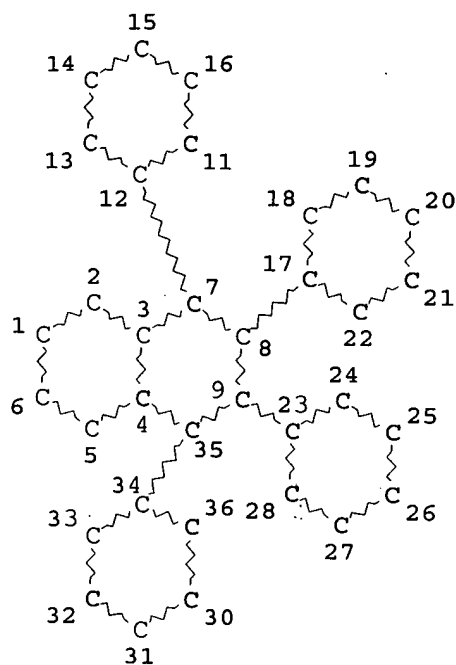
RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 24

STEREO ATTRIBUTES: NONE

L9 4514 SEA FILE=REGISTRY SSS FUL L5

L10 STR



NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 34

STEREO ATTRIBUTES: NONE
 L17 559 SEA FILE=REGISTRY SUB=L9 SSS FUL L10

100.0% PROCESSED 3660 ITERATIONS
 SEARCH TIME: 00.00.01

559 ANSWERS

=> => d 123 1-23 cbib abs hitstr hitind

L23 ANSWER 1 OF 21 HCAPLUS COPYRIGHT 2005 ACS on STN
 2005:98918 Document No. 142:207346 Organic light-emitting devices
 using aromatic hydrocarbon materials in enhancement layers for
 assisting **electron injection**. Thompson, Mark
 E.; Kwong, Raymond; Tung, Yeh-Jiun; Brooks, Jason (USA). U.S. Pat.
 Appl. Publ. US 2005025993 A1 20050203, 47 pp., Cont.-in-part of U.S.
 Ser. No. 626,579. (English). CODEN: USXXCO. APPLICATION: US
 2004-785287 20040223. PRIORITY: US 2003-626579 20030725.

AB Electroluminescent devices are described which comprise an anode; a
 cathode; a first organic layer disposed between the anode and the
 cathode, where the first organic layer comprises a material that
 produces phosphorescent emission when a voltage is applied between
 the anode and the cathode; and a second organic layer disposed between
 the first organic layer and the cathode, where the second organic layer is
 in direct contact with the first organic layer, and where the second

Present